

**REMARKS**

Claims 1-36 are pending.

Claims 11-18, 35 and 36 have been canceled.

**Restriction Requirement**

The Examiner has required restriction to one of the following inventions under 35 U.S.C. § 121:

Group I. Claims 1-10, 19-26, and 27-34, drawn to interconnect model not a lumped capacitance model, calculating an effective capacitance of the interconnect model to be inversely proportional to a voltage at the driving point node of the interconnect model.

Group II. Claims 11-16 and 36, drawn to scaling first/second capacitances by ratio(s) of voltage across the first/second capacitance to a driving point voltage, and summing first and second capacitance.

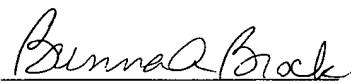
Group III. Claims 17-18, drawn to multiplying capacitances, dividing products, and summing product with interconnect model not a lumped capacitance model.

Group IV. Claim 35, drawn to reducing an interconnect model to a lumped capacitance model and calculating a effective capacitance by setting a voltage across the effective capacitance equal to a voltage at the driving point node of the interconnect model.

In response to the Examiner's restriction requirement, Applicant hereby elects, without traverse, to prosecute claims 1-10, 19-26, and 27-34 of Group I. Please cancel non-elected 11-18, 35, and 36 without prejudice to the subject matter disclosed therein.

In view of the amendments and remarks set forth herein, the application and the claims therein are believed to be in condition for allowance and a notice to that effect is solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephone interview, the Examiner is invited to telephone the undersigned at 512-439-5087.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

  
Attorney for Applicants

1-6-2005  
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Date of Signature

Respectfully submitted,



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